

PATENT 0717-0465P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:

Kiyoshi KUMATA, et al.

3865

Appl. No.:

09/846,297

Group:

Conf.:

Filed:

May 2, 2001

Examiner: NGUYEN

Technology Center 2600

For:

OMNIAZIMUTHAL VISUAL SYSTEM

LARGE ENTITY TRANSMITTAL FORM

Assistant Commissioner for Patents Washington, DC 20231

February 13, 2003

Sir:

Transmitted herewith is an amendment in the above-identified application.

The enclosed	document	is	being	transmi	tted	via	the	Certificate
of Mailing p	provisions	of	37 C.	F.R. §	1.8.			

The enclosed document is being transmitted via facsimile.

The fee has been calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL	11	_	20	=	0	\$18	\$0.00
INDEPENDENT	1	-	3	=	0	\$84	\$0.00
FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM							\$0.00
		•	···	•		TOTAL	\$0.00

Appl. No. 09/846,297

		onth(s) extension of time pursuant to136(a). \$0.00 for the extension of					
\boxtimes	No fee is required.						
	Check(s) in the amount of \$0.00 is(are) enclosed.						
	Please charge Deposit A \$0.00. This form is subm	ccount No. 02-2448 in the amount of nitted in triplicate.					
overprequ:	urrent, and future repli payment to Deposit Accoun	ssioner is hereby authorized in this, es, to charge payment or credit any t No. 02-2448 for any additional fees 1.16 or under 37 C.F.R. § 1.17; me fees.					
		Respectfully submitted,					
		BIRCH, STEWART, KOLASCH & BIRCH, LLP					
		Charles Gorenstein, #29,271					
CG/RI	(Die	P.O. Box 747 Falls Church, VA 22040-0747 (703) 205-8000					
ATTA	CHMENT	(Rev. 09/27/01)					



FEB 1 4 2003

Technology Center 2600 0717-04651



IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:

KUMATA, et al.

Conf.:

3865

Appl. No.:

09/846,297

Group:

2675

Filed:

May 2, 2001

Examiner: Chanh Duy NGUYEN

For:

OMNIAZIMUTHAL VISUAL SYSTEM

REPLY UNDER 37 C.F.R. § 1.111

Assistant Commissioner for Patents Washington, DC 20231

February 13, 2003

Sir:

In reply to the Examiner's Office Action dated November 13, 2002, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

IN THE CLAIMS

Please amend the claims as follows.

1. (Amended)

An omniazimuthal visual system, comprising:

an optical system capable of obtaining an image of 360° view field area

therearound and capable of central projection transformation for the image;

an imaging section for converting the image obtained through the optical system into image data represented by polar coordinates;

an image transformation section for transforming the image data into display data represented by rectangular coordinates;